



PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/937,059

DATE: 08/06/2002

TIME: 09:50:56

Input Set : A:\pf0681pct_seqlist.txt

Output Set: N:\CRF3\08062002\I937059.raw

4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
 5 YUE, Henry
 6 LAL, Preeti
 7 TANG, Y. Tom
 8 HILLMAN, Jennifer L.
 9 REDDY, Roopa
 10 BANDMAN, Olga
 11 BAUGHN, Mariah R.
 12 Lu, Dyung Aina L.
 13 AZIMZAI, Yalda
 14 YANG, Junming
 16 <120> TITLE OF INVENTION: HUMAN TRANSMEMBRANE PROTEINS
 18 <130> FILE REFERENCE: PF-0681 PCT
 C--> 20 <140> CURRENT APPLICATION NUMBER: US/09/937,059
 C--> 21 <141> CURRENT FILING DATE: 2002-05-28
 23 <150> PRIOR APPLICATION NUMBER: 60/125,537; 60 139,565
 W--> 24 <151> PRIOR FILING DATE: 1999-03-22; 1999-06-16
 26 <160> NUMBER OF SEQ ID NOS: 58
 28 <170> SOFTWARE: PERL Program
 30 <210> SEQ ID NO: 1
 31 <211> LENGTH: 417
 32 <212> TYPE: PRT
 33 <213> ORGANISM: Homo sapiens
 35 <220> FEATURE:
 36 <221> NAME/KEY: misc_feature
 37 <223> OTHER INFORMATION: Incyte ID No: 1316927CD1
 39 <400> SEQUENCE: 1
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 41 1 5 10 15
 42 Asp Asn Lys Thr Ser Glu Asp Val Thr Met Ala Ala Ala Ser Pro
 43 20 25 30
 44 Val Thr Leu Thr Lys Gly Thr Ser Ala Ala His Leu Asn Ser Met
 45 35 40 45
 46 Glu Val Thr Thr Glu Asp Thr Ser Arg Thr Asp Val Ser Glu Pro
 47 50 55 60
 48 Ala Thr Ser Gly Gly Ala Ala Asp Gly Val Thr Ser Ile Ala Pro
 49 65 70 75
 50 Thr Ala Val Ala Ser Ser Thr Thr Ala Ala Ser Ile Thr Thr Ala
 51 80 85 90
 52 Ala Ser Ser Met Thr Val Ala Ser Ser Ala Pro Thr Thr Ala Ala
 53 95 100 105
 54 Ser Ser Thr Thr Val Ala Ser Ile Ala Pro Thr Thr Ala Ala Ser
 55 110 115 120

ENTERED

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56 Ser Met Thr Ala Ala Ser Ser Thr Pro Met Thr Leu Ala Leu Pro
57                               125                               130                               135
58 Ala Pro Thr Ser Thr Ser Thr Gly Arg Thr Pro Ser Thr Thr Ala
59                               140                               145                               150
60 Thr Gly His Pro Ser Leu Ser Thr Ala Leu Ala Gln Val Pro Lys
61                               155                               160                               165
62 Ser Ser Ala Leu Pro Arg Thr Ala Thr Leu Ala Thr Leu Ala Thr
63                               170                               175                               180
64 Arg Ala Gln Thr Val Ala Thr Thr Ala Asn Thr Ser Ser Pro Met
65                               185                               190                               195
66 Ser Thr Arg Pro Ser Pro Ser Lys His Met Pro Ser Asp Thr Ala
67                               200                               205                               210
68 Ala Ser Pro Val Pro Pro Met Arg Pro Gln Ala Gln Gly Pro Ile
69                               215                               220                               225
70 Ser Gln Val Ser Val Asp Gln Pro Val Val Asn Thr Thr Asn Lys
71                               230                               235                               240
72 Ser Thr Pro Met Pro Ser Asn Thr Thr Pro Glu Pro Ala Pro Thr
73                               245                               250                               255
74 Pro Thr Val Val Thr Thr Thr Lys Ala Gln Ala Arg Glu Pro Thr
75                               260                               265                               270
76 Ala Ser Pro Val Pro Val Pro His Thr Ser Pro Ile Pro Glu Met
77                               275                               280                               285
78 Glu Ala Met Ser Pro Thr Thr Gln Pro Ser Pro Met Pro Tyr Thr
79                               290                               295                               300
80 Gln Arg Ala Ala Gly Pro Gly Thr Ser Gln Ala Pro Glu Gln Val
81                               305                               310                               315
82 Glu Thr Glu Ala Thr Pro Gly Thr Asp Ser Thr Gly Pro Thr Pro
83                               320                               325                               330
84 Arg Ser Ser Gly Gly Thr Lys Met Pro Ala Thr Asp Ser Cys Gln
85                               335                               340                               345
86 Pro Ser Thr Gln Gly Gln Tyr Met Val Val Thr Thr Glu Pro Leu
87                               350                               355                               360
88 Thr Gln Ala Val Val Asp Lys Thr Leu Leu Leu Val Val Leu Leu
89                               365                               370                               375
90 Leu Gly Val Thr Leu Phe Ile Thr Val Leu Val Leu Phe Ala Leu
91                               380                               385                               390
92 Gln Ala Tyr Glu Ser Tyr Lys Lys Lys Asp Tyr Thr Gln Val Asp
93                               395                               400                               405
94 Tyr Leu Ile Asn Gly Met Tyr Ala Asp Ser Glu Met
95                               410                               415
96 <210> SEQ ID NO: 2
97 <211> LENGTH: 316
98 <212> TYPE: PRT
99 <213> ORGANISM: Homo sapiens
101 <220> FEATURE:
102 <221> NAME/KEY: misc_feature
103 <223> OTHER INFORMATION: Incyte ID No: 1354891CD1
105 <400> SEQUENCE: 2
106 Met Pro Lys Asn Phe Trp Ala Gly Val Gly Ile Val Cys Arg Phe

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107      1              5              10              15
108 Arg Glu Gln Asp Ser Phe Pro Pro Ala Ser Ala Ser Cys Pro Ala
109              20              25              30
110 Leu Leu Ala Leu Ser Pro Thr Leu Pro Ser Pro Val Phe Leu Phe
111              35              40              45
112 Gln Val Pro Ala Ile Glu Glu Asn Leu Leu Asp Asp Lys His Leu
113              50              55              60
114 Leu Lys Pro Trp Asp Ala Lys Lys Leu Ser Ser Ser Ser Ser Arg
115              65              70              75
116 Pro Arg Ser Cys Glu Val Pro Gly Ile Asn Ile Phe Pro Ser Pro
117              80              85              90
118 Asp Gln Pro Ala Asn Val Pro Val Leu Pro Pro Ala Met Asn Thr
119              95              100             105
120 Gly Gly Ser Leu Pro Asp Leu Thr Asn Leu His Phe Pro Pro Pro
121              110             115             120
122 Leu Pro Thr Pro Leu Asp Pro Glu Glu Thr Ala Tyr Pro Ser Leu
123              125             130             135
124 Ser Gly Gly Asn Ser Thr Ser Asn Leu Thr His Thr Met Thr His
125              140             145             150
126 Leu Gly Ile Ser Arg Gly Met Gly Leu Gly Pro Gly Tyr Asp Ala
127              155             160             165
128 Pro Gly Leu His Ser Pro Leu Ser His Pro Ser Leu Gln Ser Ser
129              170             175             180
130 Leu Ser Asn Pro Asn Leu Gln Ala Ser Leu Ser Ser Pro Gln Pro
131              185             190             195
132 Gln Leu Gln Gly Ser His Ser His Pro Ser Leu Pro Ala Ser Ser
133              200             205             210
134 Leu Ala Arg His Val Leu Pro Thr Thr Ser Leu Gly His Pro Ser
135              215             220             225
136 Leu Ser Ala Pro Ala Leu Ser Ser Ser Ser Ser Ser Ser Ser Thr
137              230             235             240
138 Ser Ser Pro Val Leu Gly Ala Pro Ser Tyr Pro Ala Ser Thr Pro
139              245             250             255
140 Gly Ala Ser Pro His His Arg Arg Val Pro Leu Ser Pro Leu Ser
141              260             265             270
142 Leu Leu Ala Gly Pro Ala Asp Ala Arg Arg Ser Gln Gln Gln Leu
143              275             280             285
144 Pro Lys Gln Phe Ser Pro Thr Met Ser Pro Thr Leu Ser Ser Ile
145              290             295             300
146 Thr Gln Gly Val Pro Trp Ile Pro Val Asn Cys Pro Leu Thr Ser
147              305             310             315
148 Gly
150 <210> SEQ ID NO: 3
151 <211> LENGTH: 273
152 <212> TYPE: PRT
153 <213> ORGANISM: Homo sapiens
155 <220> FEATURE:
156 <221> NAME/KEY: misc_feature
157 <223> OTHER INFORMATION: Incyte ID No: 1415487CD1

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Input Set : A:\pf0681pct_seqlist.txt

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159 <400> SEQUENCE: 3

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160 Met Ile Leu Ser Ser Tyr Phe Ile Asn Phe Ile Tyr Leu Ala Lys
161 1 5 10 15
162 Ser Thr Lys Lys Thr Met Leu Thr Leu Thr Leu Val Cys Ala Ile
163 20 25 30
164 Thr Phe Leu Leu Val Cys Ser Gly Thr Phe Phe Pro Tyr Ser Ser
165 35 40 45
166 Asn Pro Ala Asn Pro Lys Pro Lys Arg Val Phe Leu Gln His Met
167 50 55 60
168 Thr Arg Thr Phe His Asp Leu Glu Gly Asn Ala Val Lys Arg Asp
169 65 70 75
170 Ser Gly Ile Trp Ile Asn Gly Phe Asp Tyr Thr Gly Ile Ser His
171 80 85 90
172 Ile Thr Pro His Ile Pro Glu Ile Asn Asp Ser Ile Arg Ala His
173 95 100 105
174 Cys Glu Glu Asn Ala Pro Leu Cys Gly Phe Pro Trp Tyr Leu Pro
175 110 115 120
176 Val His Phe Leu Ile Arg Lys Asn Trp Tyr Leu Pro Ala Pro Glu
177 125 130 135
178 Val Ser Pro Arg Asn Pro Pro His Phe Arg Leu Ile Ser Lys Glu
179 140 145 150
180 Gln Thr Pro Trp Asp Ser Ile Lys Leu Thr Phe Glu Ala Thr Gly
181 155 160 165
182 Pro Ser His Met Ser Phe Tyr Val Arg Ala His Lys Gly Ser Thr
183 170 175 180
184 Leu Ser Gln Trp Ser Leu Gly Asn Gly Thr Pro Val Thr Ser Lys
185 185 190 195
186 Gly Gly Asp Tyr Phe Val Phe Tyr Ser His Gly Leu Gln Ala Ser
187 200 205 210
188 Ala Trp Gln Phe Trp Ile Glu Val Gln Val Ser Glu Glu His Pro
189 215 220 225
190 Glu Gly Met Val Thr Val Ala Ile Ala Ala His Tyr Leu Ser Gly
191 230 235 240
192 Glu Asp Lys Arg Ser Pro Gln Leu Asp Ala Leu Lys Glu Lys Phe
193 245 250 255
194 Pro Asp Trp Thr Phe Pro Ser Ala Trp Val Cys Thr Tyr Asp Leu
195 260 265 270

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196 Phe Val Phe

198 <210> SEQ ID NO: 4

199 <211> LENGTH: 222

200 <212> TYPE: PRT

201 <213> ORGANISM: Homo sapiens

203 <220> FEATURE:

204 <221> NAME/KEY: misc_feature

205 <223> OTHER INFORMATION: Incyte ID No: 1693184CD1

207 <400> SEQUENCE: 4

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208 Met Cys Leu Arg Leu Gly Gly Leu Ser Val Gly Asp Phe Arg Lys
209 1 5 10 15
210 Val Leu Met Lys Thr Gly Leu Val Leu Val Val Leu Gly His Val

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Output Set: N:\CRF3\08062002\I937059.raw

```

211          20          25          30
212 Ser Phe Ile Thr Ala Ala Leu Phe His Gly Thr Val Leu Arg Tyr
213          35          40          45
214 Val Gly Thr Pro Gln Asp Ala Val Ala Leu Gln Tyr Cys Val Val
215          50          55          60
216 Asn Ile Leu Ser Val Thr Ser Ala Ile Val Val Ile Thr Ser Gly
217          65          70          75
218 Ile Ala Ala Ile Val Leu Ser Arg Tyr Leu Pro Ser Thr Pro Leu
219          80          85          90
220 Arg Trp Thr Val Phe Ser Ser Ser Val Ala Cys Ala Leu Leu Ser
221          95         100         105
222 Leu Thr Cys Ala Leu Gly Leu Leu Ala Ser Ile Ala Met Thr Phe
223         110         115         120
224 Ala Thr Gln Gly Lys Ala Leu Leu Ala Ala Cys Thr Phe Gly Ser
225         125         130         135
226 Ser Glu Leu Leu Ala Leu Ala Pro Asp Cys Pro Phe Asp Pro Thr
227         140         145         150
228 Arg Ile Tyr Ser Ser Ser Leu Cys Leu Trp Gly Ile Ala Leu Val
229         155         160         165
230 Leu Cys Val Ala Glu Asn Val Phe Ala Val Arg Cys Ala Gln Leu
231         170         175         180
232 Thr His Gln Leu Leu Glu Leu Arg Pro Trp Trp Gly Lys Ser Ser
233         185         190         195
234 His His Met Met Arg Glu Asn Pro Glu Leu Val Glu Gly Arg Asp
235         200         205         210
236 Leu Leu Ser Cys Thr Ser Ser Glu Pro Leu Thr Leu
237         215         220
238 <210> SEQ ID NO: 5
239 <211> LENGTH: 329
240 <212> TYPE: PRT
241 <213> ORGANISM: Homo sapiens
243 <220> FEATURE:
244 <221> NAME/KEY: misc_feature
245 <223> OTHER INFORMATION: Incyte ID No: 1695049CD1
247 <400> SEQUENCE: 5
248 Met Pro Gly Lys His Gln His Phe Gln Glu Pro Glu Val Gly Cys
249 1          5          10          15
250 Cys Gly Lys Tyr Phe Leu Phe Gly Phe Asn Ile Val Phe Trp Val
251         20          25          30
252 Leu Gly Ala Leu Phe Leu Ala Ile Gly Leu Trp Ala Trp Gly Glu
253         35          40          45
254 Lys Gly Val Leu Ser Asn Ile Ser Ala Leu Thr Asp Leu Gly Gly
255         50          55          60
256 Leu Asp Pro Val Trp Leu Phe Val Val Val Gly Gly Val Met Ser
257         65          70          75
258 Val Leu Gly Phe Ala Gly Cys Ile Gly Ala Leu Arg Glu Asn Thr
259         80          85          90
260 Phe Leu Leu Lys Phe Phe Ser Val Phe Leu Gly Leu Ile Phe Phe
261         95         100         105

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/06/2002
PATENT APPLICATION: US/09/937,059 TIME: 09:50:57

Input Set : A:\pf0681pct_seqlist.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:31; N Pos. 1094